

09/5/2515

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	918	435/7.23.ccls.	USPA T	2001/09/10 06:44
2	L2	1155	435/7.9.ccls.	USPA T	2001/09/10 06:44
3	L3	1856	435/7.92.ccls.	USPA T	2001/09/10 06:44
4	L4	478	436/64.ccls.	USPA T	2001/09/10 06:44
5	L5	287	436/503.ccls.	USPA T	2001/09/10 06:44
6	L6	3615	1 or 2 or 3 or 4 or 5	USPA T	2001/09/10 06:45
7	L8	0	das adj 1	USPA T	2001/09/10 06:45
8	L7	3	gastric adj intestinal adj metaplasia	USPA T	2001/09/10 06:46
9	L10	0	6 and 9	USPA T	2001/09/10 06:46
10	L9	16	das1	USPA T	2001/09/10 06:46

7/9/11 (Item 11 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)

06042776 85183832 PMID: 2580883

**Optimal immunoreactivity of keratin proteins in formalin-fixed, paraffin-embedded tissue requires preliminary trypsinization . An immunoperoxidase study of various tumours using polyclonal and monoclonal antibodies.**

Pinkus GS; O'Connor EM; Etheridge CL; Corson JM  
 journal of histochemistry and cytochemistry (UNITED STATES) May 1985,  
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The effect of preliminary **trypsinization** on the immunoreactivity of keratin proteins in formalin-fixed, **paraffin** -embedded tissues of a variety of tumors (squamous cell carcinomas, adenocarcinomas, mesotheliomas, and transitional cell carcinomas) was evaluated. Three types of **trypsin** (Type II and Type IX porcine **trypsin** and Type III bovine **trypsin** ) and varying concentrations of **trypsin** were assessed. Immunoreactivity of keratin proteins was determined using rabbit anti-keratin antibodies and monoclonal antibodies (combination of AE1 and AE3) and **immunoperoxidase** techniques. Preliminary **trypsinization** was mandatory for optimal immunoreactivity of keratin proteins using either polyclonal or monoclonal antibodies. Excellent results were obtained using Type II porcine **trypsin** at concentrations of 25 mg/dl for 30-45 min or 50 mg/dl for 20 min, at 37 degrees C. **Trypsin** treatment with excessive concentrations of enzyme and/or extended incubation times promoted tissue digestion and in some cases, yielded decreased immunoreactivity and altered staining patterns.

Tags: Animal; Female; Human

Descriptors: Antibodies, Monoclonal--diagnostic use--DU; \*Immunoenzyme Techniques; \*Keratin--analysis--AN; \*Neoplasm Proteins--analysis--AN; \*Staining and Labeling--methods--MT; \* **Trypsin** --diagnostic use--DU; Adenocarcinoma--metabolism--ME; Adenocarcinoma--pathology--PA; Carcinoma, Squamous Cell--metabolism--ME; Carcinoma, Squamous Cell--pathology--PA; Carcinoma, Transitional Cell--metabolism--ME; Carcinoma, Transitional Cell--pathology--PA; Cattle; Fixatives; Formaldehyde--diagnostic use--DU; Mesothelioma--metabolism--ME; Mesothelioma--pathology--PA; Neoplasm Proteins--metabolism--ME; **Paraffin** --diagnostic use--DU; Swine  
 CAS Registry No.: 0 (Antibodies, Monoclonal); 0 (Fixatives); 0 (Neoplasm Proteins); 50-00-0 (Formaldehyde); 68238-35-7 (Keratin); 8002-74-2 (Paraffin)

Enzyme No.: EC 3.4.21.4 **Trypsin** )

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